Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A communication system for distinguishing a user, said system comprising:

a storing means for storing reference living body information;

a display having ~~a reading means~~ a built-in sensor for reading collation living body information of the user;

a collating means for collating the collation living body information with the reference living body information; and

a sending means for sending a notice of coincidence as data to a mating party when a collation result proves coincident.

2. (Previously Presented) A communication system according to claim 1, wherein the reference living body information comprises n reference living body information, the collation living body information of the user comprises n collation living body information of the user, the collating means collates the n collation living body information with the n reference living body information, and the sending means sends the notice of coincidence as data to the mating party when all of collation results prove coincident.

3. (Previously Presented) A communication system according to claim 1, wherein the reference living body information comprises n reference living body information, the collation living body information of the user comprises m collation living body information of the user, the collating means collates the m collation living body information with the n reference living body information, and the sending means sends the notice of coincidence as data to the mating party when at least one of the n reference living body information coincides with at least one of the m collation living body information.

4. (Previously Presented) A communication system according to claim 1, wherein the reference living body information comprises a plurality of kinds of reference living body information, the collation living body information of the user comprises a plurality of kinds of collation living body information of the user, the collating means collates the plurality of collation living body information with the plurality of reference living body information, and the sending means sends the notice of coincidence as data to the mating party when the plurality of kinds of collation living body information wholly coincide with the plurality of kinds of reference living body information.

5. (Previously Presented) A communication system according to claim 1, wherein the reference living body information comprises n reference living body information of a plurality of kinds, the collation living body information comprises m collation living body information of a plurality of kinds of a user, the collating means collates the m collation living body information with the n reference living body information, and the sending means sends the notice of coincidence as data to the mating party when at least one of each kind of collation living body information among the plurality of kinds of collation living body information coincides with at least one of each kind of reference living body information among the n reference living body information.

6. (Previously Presented) A communication system according to claim 1, wherein the reference living body information comprises n reference living body information of a plurality of kinds, the collation living body information comprises m collation living body information of a plurality of kinds of a user, the collating means collates the m collation living body information with the n reference living body information, and the sending means sends the notice of coincidence as data to the mating party when all of the plurality of kinds of collation living body information coincide with all of the n reference living body information.

7. (Currently Amended) A communication system for distinguishing a user, said system comprising:

a storing means for storing reference living body information;

a display having ~~a reading means~~ a built-in sensor for reading collation living body information of the user;

a collating means for collating the collation living body information with the reference living body information; and

a sending means for sending a notice of coincidence as data to a manager when a collation result proves coincident,

wherein a communication between the user and a mating party is started through the manager after the mating party receives the notice of coincidence as data.

8. (Previously Presented) A communication system according to claim 7, further comprising a causing means for causing the manager to send the notice of coincidence as data to the mating party.

9. (Previously Presented) A communication system according to claim 7, further comprising a causing means for causing the manager to send the notice of coincidence as data to a mating party,

wherein the communication between the user and the mating party is directly started after the mating party receives the notice of coincidence as data.

10. (Previously Presented) A system according to claim 1, wherein a transaction is conducted between the user and the mating party,

wherein an identification of the user is requested only when the condition set to the mating party is satisfied.

11. (Currently Amended) A communication system for distinguishing a user, said system comprising:

a storing means for storing reference living body information;

a display having ~~a reading means~~ a built-in sensor for reading collation living body information of the user;

a collating means for collating the collation living body information with the reference living body information; and

a sending means for sending a notice of coincidence as data to a mating party when a collation result proves coincident,

wherein a password is sent as data to the mating party after the notice of collation is sent to the mating party, and the reference living body information is rewritten when the password is authenticated as correct on the mating party.

12. (Previously Presented) A communication system according to claim 11, wherein the reference living body information comprises n reference living body information, the collation living body information comprises n collation living body information of the user, the collating means collates the n collation living body information with the n reference living body information, and the sending means sends the notice of coincidence as data to the mating party when collation results wholly prove coincident.

13. (Previously Presented) A communication system according to claim 11, wherein the reference living body information comprises n reference living body information, the collation living body information of the user comprises m collation living body information of the user, the collating means collates the m collation living body information with the n reference living body information, and the sending means sends the notice of coincidence as data to the mating party when at least one of the n reference living body information coincides with at least one of the m collation living body information.

14. (Previously Presented) A communication system according to claim 11, wherein the reference living body information comprises a plurality of kinds of reference living body information, the collation living body information of the user comprises a plurality of kinds of collation living body information of the user, the collating means collates the plurality of kinds of collation living body information with a plurality of kinds of the reference living body information; and the sending means sends the notice of coincidence as data to the mating party when the plurality of kinds of the collation living body information wholly coincide with the plurality of kinds of reference living body information.

15. (Previously Presented) A communication system according to claim 11, wherein the reference living body information comprises n reference living body information of a plurality of kinds, the collation living body information comprises m collation living body information of a plurality of kinds of the user, the collating means collates the m collation living body information with the n reference living body information, and the sending means sends the notice of coincidence as data to the mating party when at least one of the collation living body information of each kind among the plurality of kinds coincides with at least one of n reference living body information of each kind.

16. (Previously Presented) A communication system according to claim 11, wherein the reference living body information comprises n reference living body information of a plurality of kinds, the collation living body information comprises m collation living body information of a plurality of kinds of the user, the collating means collates the m collation living body information with the n reference living body information, and the sending means sends the notice of coincidence as data to the mating party when all of the plurality of kinds of collation living body information coincide with all of the n collation living body information.

17. (Currently Amended) A communication system for distinguishing a user, said system comprising:

a storing means for storing reference living body information;

a display having a reading means a built-in sensor for reading collation living body information of the user;

a collating means for collating the collation living body information with the reference living body information; and

a sending means for sending a notice of coincidence as data to a manager when a collation result proves coincident,

wherein a password is sent as data to the manager after the notice of collation is sent to the manager, and the reference living body information is rewritten when the password is authenticated as correct on the manager.

18. (Previously Presented) A system according to claim 1, wherein the reference living body information comprises at least one selected from the group consisting of a fingerprint, a palm print and a voiceprint.

19. (Previously Presented) A system according to claim 1, wherein the collation living body information comprises at least one selected from the group consisting of a fingerprint, a palm print and a voiceprint.

20. (Previously Presented) A system according to claim 1, wherein the palm print is a palm print of the whole palm or a palm print of a part of the palm.

21. (Previously Presented) A system according to claim 1, wherein the storing means is a flash memory.

22. (Currently Amended) A system according to claim 1, wherein the reading means built-in sensor is a photodiode or a charge coupled device.

23. (Previously Presented) A system according to claim 1, wherein a portable information terminal is used.

24. (Previously Presented) A system according to claim 1, wherein a cellular telephone is used.

25. (Previously Presented) A system according to claim 1, wherein a personal computer is used.

26. (Previously Presented) The communication system according to claim 1, wherein the communication is started after the mating party receives the notice of coincidence as data.

27. (Previously Presented) A system according to claim 7, wherein a transaction is conducted between the user and the mating party,

wherein an identification of the user is requested only when the condition set to the mating party is satisfied.

28. (Previously Presented) A system according to claim 7, wherein the reference living body information comprises at least one selected from the group consisting of a fingerprint, a palm print and a voiceprint.

29. (Previously Presented) A system according to claim 11, wherein the reference living body information comprises at least one selected from the group consisting of a fingerprint, a palm print and a voiceprint.

30. (Previously Presented) A system according to claim 17, wherein the reference living body information comprises at least one selected from the group consisting of a fingerprint, a palm print and a voiceprint.

31. (Previously Presented) A system according to claim 7, wherein the collation living body information comprises at least one selected from the group consisting of a fingerprint, a palm print and a voiceprint.

32. (Previously Presented) A system according to claim 11, wherein the collation living body information comprises at least one selected from the group consisting of a fingerprint, a palm print and a voiceprint.

33. (Previously Presented) A system according to claim 17, wherein the collation living body information comprises at least one selected from the group consisting of a fingerprint, a palm print and a voiceprint.

34. (Previously Presented) A system according to claim 28, wherein the palm print is a palm print of the whole palm or a palm print of a part of the palm.

35. (Previously Presented) A system according to claim 29, wherein the palm print is a palm print of the whole palm or a palm print of a part of the palm.

36. (Previously Presented) A system according to claim 30, wherein the palm print is a palm print of the whole palm or a palm print of a part of the palm.

37. (Previously Presented) A system according to claim 7, wherein the storing means is a flash memory.

38. (Previously Presented) A system according to claim 11, wherein the storing means is a flash memory.

39. (Previously Presented) A system according to claim 17, wherein the storing means is a flash memory.

40. (Currently Amended) A system according to claim 7, wherein the ~~reading means~~ built-in sensor is a photodiode or a charge coupled device.

41. (Currently Amended) A system according to claim 11, wherein the ~~reading means~~ built-in sensor is a photodiode or a charge coupled device.

42. (Currently Amended) A system according to claim 17, wherein the ~~reading means~~ built-in sensor is a photodiode or a charge coupled device.

43. (Previously Presented) A system according to claim 7, wherein a portable information terminal is used.

44. (Previously Presented) A system according to claim 11, wherein a portable information terminal is used.

45. (Previously Presented) A system according to claim 17, wherein a portable information terminal is used.

46. (Previously Presented) A system according to claim 7, wherein a cellular telephone is used.

47. (Previously Presented) A system according to claim 11, wherein a cellular telephone is used.

Applicant : Shunpei YAMAZAKI et al.
Serial No. : 09/852,266
Filed : May 10, 2001
Page : 11 of 16

Attorney's Docket No.: 12732-035001 / US4908

48. (Previously Presented) A system according to claim 17, wherein a cellular telephone is used.

49. (Previously Presented) A system according to claim 7, wherein a personal computer is used.

50. (Previously Presented) A system according to claim 11, wherein a personal computer is used.

51. (Previously Presented) A system according to claim 17, wherein a personal computer is used.

52. (Previously Presented) A system according to claim 31, wherein the palm print is a palm print of the whole palm or a palm print of a part of the palm.

53. (Previously Presented) A system according to claim 32, wherein the palm print is a palm print of the whole palm or a palm print of a part of the palm.

54. (Previously Presented) A system according to claim 33, wherein the palm print is a palm print of the whole palm or a palm print of a part of the palm.

55. (Currently Amended) An authentication apparatus for performing authentication of a user, said authentication apparatus comprising:

a display having ~~means~~ a built-in sensor for collecting a reference living body information of the user;

means for collating a collation living body information with the reference living body information of the user; and

means for sending a signal of performing authentication of the user outside when the collation living body information and the reference living body information of the user coincide.

56. (Currently Amended) An authentication apparatus for performing authentication of a user, said authentication apparatus comprising:

a display having ~~means~~ a built-in sensor for collecting a reference living body information of the user;

means for collating a collation living body information with the reference living body information of the user; and

means for transmitting a signal of performing authentication of the user at least a mating party and a manager when the collation living body information and the reference living body information of the user coincide.

57. (Previously Presented) The authentication apparatus according to claim 56, whereby the transmitting means send the signal of performing authentication of the user to at least the mating party and the manager.

58. (Previously Presented) The apparatus according to claim 55, wherein said authentication apparatus is a portable information terminal.

59. (Previously Presented) The apparatus according to claim 55, wherein said authentication apparatus is a cellular telephone.

60. (Previously Presented) The apparatus according to claim 55, wherein said authentication apparatus is a personal computer.

61. (Previously Presented) The apparatus according to claim 56, wherein said authentication apparatus is a portable information terminal.

62. (Previously Presented) The apparatus according to claim 56, wherein said authentication apparatus is a cellular telephone.

63. (Previously Presented) The apparatus according to claim 56, wherein said authentication apparatus is a personal computer.